

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)

Associated Occupation: [Maintenance Workers, Machinery \(49-9043\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	21.8	19.8	< Expanded education and/or training may be required
Engineering and Technology	5.7	10.8	12.2	> Current knowledge level is likely sufficient
Building and Construction	4.0	10.3	9.3	< Expanded education and/or training may be required
Design	5.2	9.2	9.1	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 19

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Equipment Maintenance	3.5	11.9	10.1	< A higher skill level may be required
Operation Monitoring	6.6	11.9	10.1	< A higher skill level may be required
Repairing	3.4	11.8	10.0	< A higher skill level may be required
Troubleshooting	4.5	11.0	10.4	0 Current skill level may be sufficient
Operation and Control	5.4	10.6	8.5	< A higher skill level may be required
Quality Control Analysis	5.9	10.0	11.6	> Skill level is likely sufficient
Equipment Selection	3.3	8.5	7.5	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	10.7	8.7	<	Some improvement in abilities may be required
Visualization	7.5	10.0	10.4	0	Current ability level may be sufficient
Reaction Time	4.8	8.4	7.0	<	Some improvement in abilities may be required
Static Strength	5.0	8.4	6.3	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	7.9	5.3	<<	Extensive improvement in abilities may be required
Rate Control	3.8	7.1	4.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 61

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Maintenance Workers, Machinery (49-9043)

Work Activities	Exclusivity of Activity
Inspect machinery or equipment to determine adjustments or repairs needed	42
Read specifications	23
Read work order, instructions, formulas, or processing charts	9
Requisition stock, materials, supplies or equipment	54
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 49

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Maintenance Workers, Machinery (49-9043)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.